ABSTRACT OF THE DISCLOSURE

A remote two-module electronic fluid monitoring system. A tank module sits atop a field tank and monitors internal fluid level. Fluid level detection is achieved by tracking the position of an embedded permanent magnet associated with a given internal fluid level within an existing float gauge mechanism. An integrated circuit capable of precisely detecting the orientation of magnetic fields senses the angular position of an existing magnet and outputs an angular field reading to an interfaced microcontroller which then translates angular reading to fluid level. The tank module contains a radio frequency transmitter which then sends fluid level information to a display module. The display module receives the signal from the tank module and reports to the user the present fluid level remaining in the tank via a liquid crystal display.

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